

Appl. No. 09/469,913
Amdt. Dated September 9, 2004
Reply to Office action of June 10, 2004
Attorney Docket No. P11785-US1
EUS/J/P/04-2105

Amendments to the Claims:

This listing of Claims replaces all prior versions, and listings, of claims in the application:

Listing of Claims:

1. (Currently Amended) A method of providing multiple quality of service classes to subscribers in a network, the method comprising the steps of:
determining a subscriber's quality of service information by using a database containing quality of service information for each subscriber that has subscribed to one of the multiple quality of service classes; and
storing the subscriber's quality of service information in a visitor location register where the subscriber is currently registered; and
using the subscriber's quality of service information stored in the visitor location register during a call setup to determine a call transmission quality for the subscriber.
2. (Cancelled)
3. (Original) The method as recited in claim 1, wherein the subscriber's quality of service information corresponds to a default quality of service class when the subscriber is not listed in the database.
4. (Original) The method as recited in claim 1, wherein each quality of service class provides a different transmission bandwidth.
5. (Original) The method as recited in claim 1, wherein each quality of service class provides a different call routing priority.
6. (Original) The method as recited in claim 1, wherein each quality of service class provides a different level of call security.

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7. (Original) The method as recited in claim 1, wherein the network is a asynchronous transfer mode network.

8. (Original) The method as recited in claim 1, wherein the network is a mobile access network and the visitor location register is integrated in a mobile switching center.

9. (Original) The method as recited in claim 1, wherein the network is a satellite network and the visitor location register is integrated in a network control center.

10. (Original) The method as recited in claim 1, wherein the subscriber accesses the network with a mobile terminal.

11. (Original) The method as recited in claim 1, wherein the subscriber accesses the network through a fixed access terminal.

12. (Currently Amended) A method of providing multiple quality of service classes to subscribers in a network, the method comprising the steps of:

receiving an attach request at a visitor location register;

sending an update location request from the visitor location register to a database containing quality of service information for each subscriber that has subscribed to one of the multiple quality of service classes;

sending the update location request from the database to a home location register;

sending an update location result from the home location register to the database;

determining a subscriber's quality of service information using the database;

modifying the update location result to include the subscriber's quality of service information;

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sending the modified update location result to the visitor location register; and
storing the subscriber's quality of service information in the visitor location
register; and

using the subscriber's quality of service information stored in the visitor location
register during a call setup to determine a call transmission quality for the subscriber.

13. (Cancelled)

14. (Original) The method as recited in claim 12, wherein the subscriber's
quality of service information corresponds to a default quality of service class when the
subscriber is not listed in the database.

15. (Original) The method as recited in claim 12, wherein each quality of
service class provides a different transmission bandwidth.

16. (Original) The method as recited in claim 12, wherein each quality of
service class provides a different call routing priority.

17. (Original) The method as recited in claim 12, wherein each quality of
service class provides a different level of call security.

18. (Currently Amended) A method of providing multiple quality of
service classes to subscribers in a network, the method comprising the steps of:

receiving an attach request at a visitor location register;

sending an update location request from the visitor location register to a
database containing quality of service information for each subscriber that has
subscribed to one of the multiple quality of service classes;

determining a subscriber's quality of service information using the database;

sending a first message from the database to the visitor location register, wherein
the first message contains the subscriber's quality of service information;

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storing the subscriber's quality of service information in the visitor location register;

sending a second message from the visitor location register to the database, wherein the second message acknowledges receipt of the first message;

sending the update location request from the database to a home location register; and

sending the update location result to the visitor location register; and

using the subscriber's quality of service information stored in the visitor location register during a call setup to determine a call transmission quality for the subscriber.

19. (Cancelled)

20. (Original) The method as recited in claim 18, wherein the subscriber's quality of service information corresponds to a default quality of service class when the subscriber is not listed in the database.

21. (Original) The method as recited in claim 18, wherein each quality of service class provides a different transmission bandwidth.

22. (Original) The method as recited in claim 18, wherein each quality of service class provides a different call routing priority.

23. (Original) The method as recited in claim 18, wherein each quality of service class provides a different level of call security.

24 – 49. (Cancelled)